

REPORT OF CHANNEL CONDITIONS 400 FEET WIDE OR GREATER <i>(ER 1130-2-306)</i>						PAGE 1 OF 2		
TO: The Record						FROM: U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090		
RIVER/HARBOR NAME AND STATE: Buttermilk Channel, New York						MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD		
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)				
Reach A (Southern Portion of 40 Ft. Half of Main Channel): (0.0 – 1.1 mil) From the junction with Anchorage Channel at Red Gas #28 to channel's first bend at about 0.9 nautical miles into the channel.	Map 97 Pg 1 of 2; 27 Sept, 2-4, 10, 23, & 24 Oct 2006	500	0.95	40	38.2	39.0	39.1	39.6
Reach B (Northern Portion of 40 Ft. Half of Main Channel): (1.1 – 2.6 mil) From channel's first bend at about 0.9 nautical miles into the channel to the channel's junction with East River about 3,500 feet north of Green Can #7.	Map 97 Pg 1 & 2 of 2; 27 Sept, 2-4, 10, 23, & 24 Oct 2006	500	1.29	40	40.7	40.6	41.6	39.4
Reach C: Widening at junction with Red Hook Channel and Anchorage Channel (Begins at Red Gas #28).	Map 97 Pg 1 of 2; 27 Sept, 2-4, 10, 23, & 24 Oct 2006	Irregular	Irregular	35	Minimum Depth in this Section is 29.4			
Reach D (Southern Portion of 35 Ft. Half of Main Channel): (0.0 – 1.1 mil) From the junction with Anchorage Channel at Red Gas #28 to channel's first bend at about 0.9 nautical miles into the channel.	Map 97 Pg 1 of 2; 27 Sept, 2-4, 10, 23, & 24 Oct 2006	500	0.95	35	31.8	32.4	33.6	35.2
Reach E (Northern Portion of 35 Ft. Half of Main Channel): (1.1 – 2.6 mil) From channel's first bend at about 0.9 nautical miles into the channel to the channel's junction with East River about 3,500 feet north of Green Can #7.	Map 97 Pg 1 & 2 of 2; 27 Sept, 2-4, 10, 23, & 24 Oct 2006	500	1.29	35	32.2	34.2	37.5	36.4
Reach F: Widening at junction with Anchorage Channel.	Map 97 Pg 1 of 2; 27 Sept, 2-4, 10, 23, & 24 Oct 2006	Irregular	Irregular	35	Minimum Depth in this Section is 33.8			
Reach G: Widening at junction with East River.	Map 97 Pg 2 of 2; 27 Sept, 2-4, 10, 23, & 24 Oct 2006	Irregular	Irregular	35	Minimum Depth in this Section is 35.7			
REMARKS: <ul style="list-style-type: none"> All depths in MLW. Channel length is in nautical miles. <p>(continued on page 2 of 2)</p>								

BUTTERMILK CHANNEL

- **Reach A:** Minor shoaling exists in all four quarters of this reach beginning approximately 2,400 feet into the reach, and extending for approximately 1,350 feet.
- **Reach B:** Virtually no shoaling exists throughout this entire reach.
- **Reach C:** Shoaling exists with the approximate dimensions of 180 feet by 220 feet along the southern most boundary of the reach, approximately 250 feet from the junction with Red Hook Channel.
- **Reach D:** Sporadic shoaling exists in the Left outside, Left inside, and Right inside quarters of this reach. It begins about 2,600 feet into the reach, and extends for approximately 1,300 feet.
- **Reach E:** Shoaling exists with the approximate dimensions of 80 feet by 440 feet in the Left outside quarter of the reach beginning approximately 310 feet south of Green Can #5. Also, a very small patch of minor shoaling (with a minimum depth of 34.2) exists in the Left Inside quarter of the channel.
- **Reach F:** Minor sporadic shoaling exists in the corner of the northern junction of this reach with Reach D having a minimum depth of 33.8.
- **Reach G:** No shoaling exists in this reach.